CLAIMS

1.   A cross-corrugated packing structure for
installations for transferring material and/or heat
between a gas phase and a liquid phase, comprising a
first surface (10), called primary surface, having a
plurality of parallel channels (11), said structure
comprising a second surface (20), called secondary
surface, consisting of a plurality of secondary packing
elements (21; 31), each secondary packing element being
arranged inside a channel (11) of said primary surface
(10), characterized in that the secondary elements are
formed separately from the first surface.

2.   The packing structure as claimed in claim 1,
characterized in that said secondary packing elements
(21; 31) have a periodic structure along the channels
(11) of the primary surface (10).

3.   The packing structure as claimed in claim 2,
characterized in that said secondary packing elements
(21; 31) are made from flat metal strips.

4.   The packing structure as claimed in claim 3,
characterized in that said flat metal strips are cut
and/or perforated and/or bent.

5.   The packing structure as claimed in claim 4,
characterized in that said metal strips are bent
alternately leftward and rightward into a Y shape.

6.   The packing structure as claimed in claim 5,
characterized in that the heel of the Y shape has
periodic perforations (213).

7.   The packing structure as claimed in claim 4,
characterized in that said flat metal strips are cut
and bent to form corrugations.

8.   The packing structure as claimed in claim 3, characterized in that said flat metal strips are twisted.

5   9.   The packing structure as claimed in any one of claims 1 to 8, characterized in that said secondary packing elements (21, 31') have tabs (40, 40') for snap-in fastening in the channels (11) of the primary surface.

10

10.   The packing structure as claimed in any one of claims 1 to 9, characterized in that the channels of the primary surface have an S shape.

15   11.   The packing structure as claimed in any one of claims 1 to 10, characterized by a distribution of cross section (1-x)/x between primary surface and secondary surface with x close to 0.5.